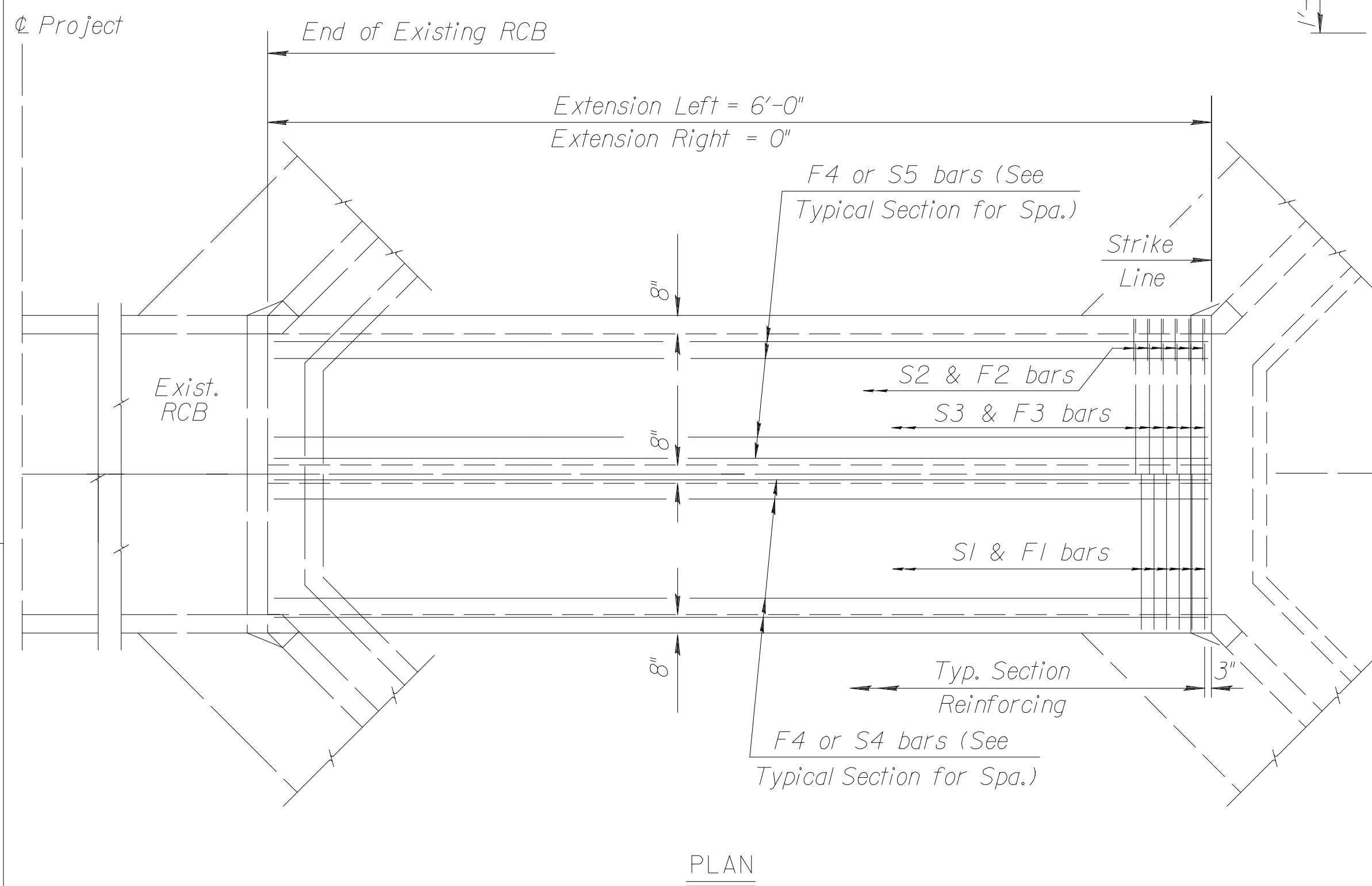
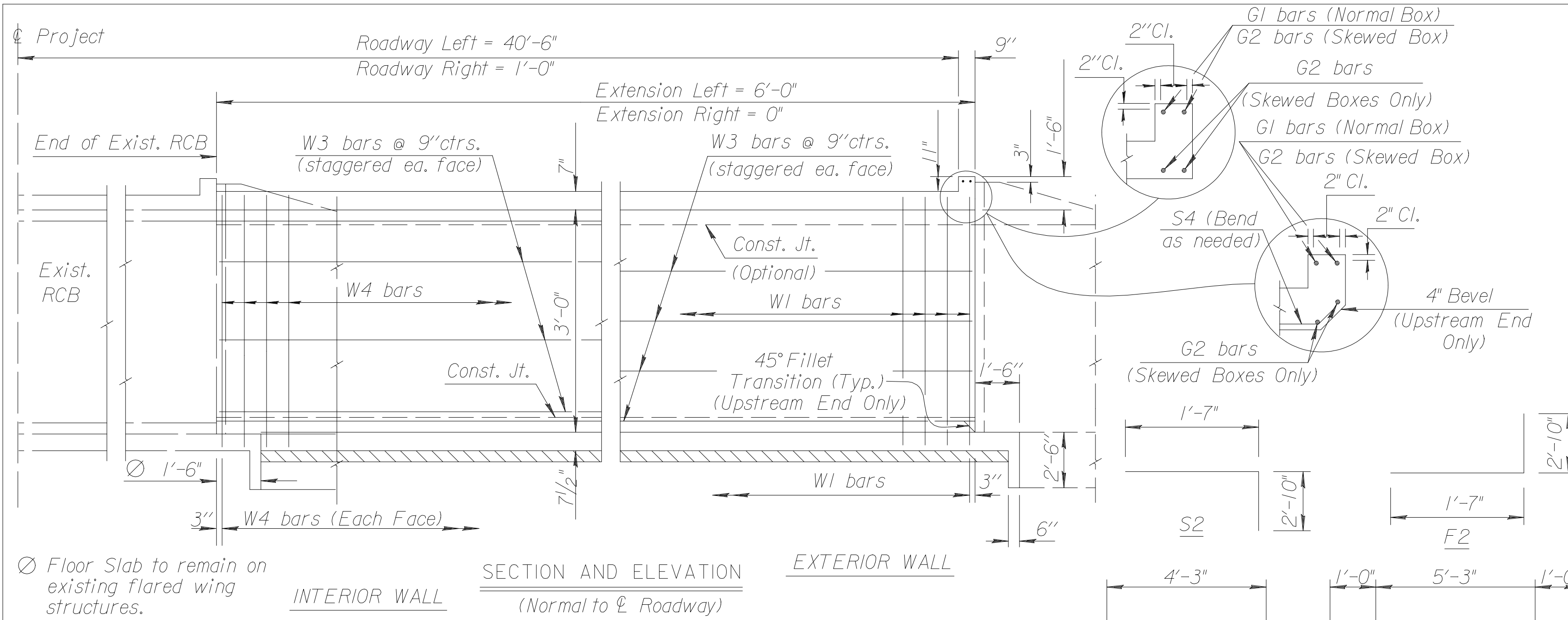
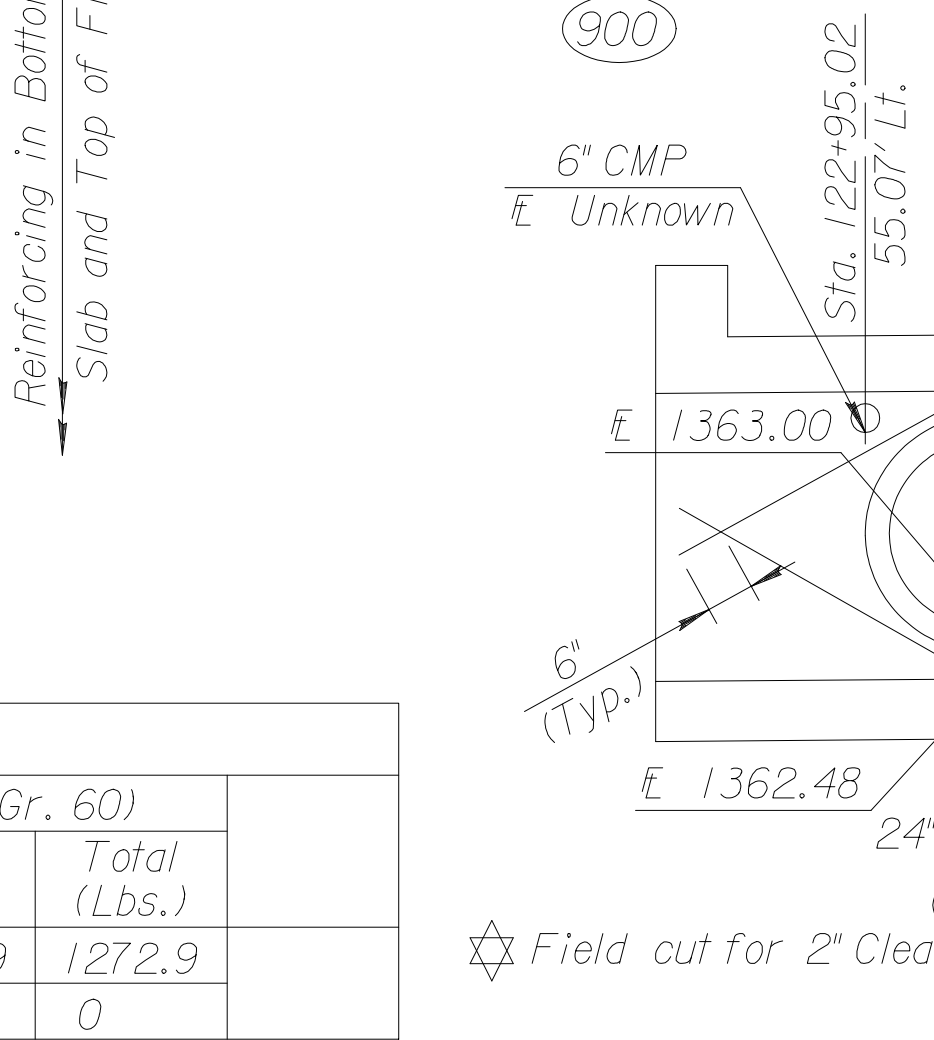
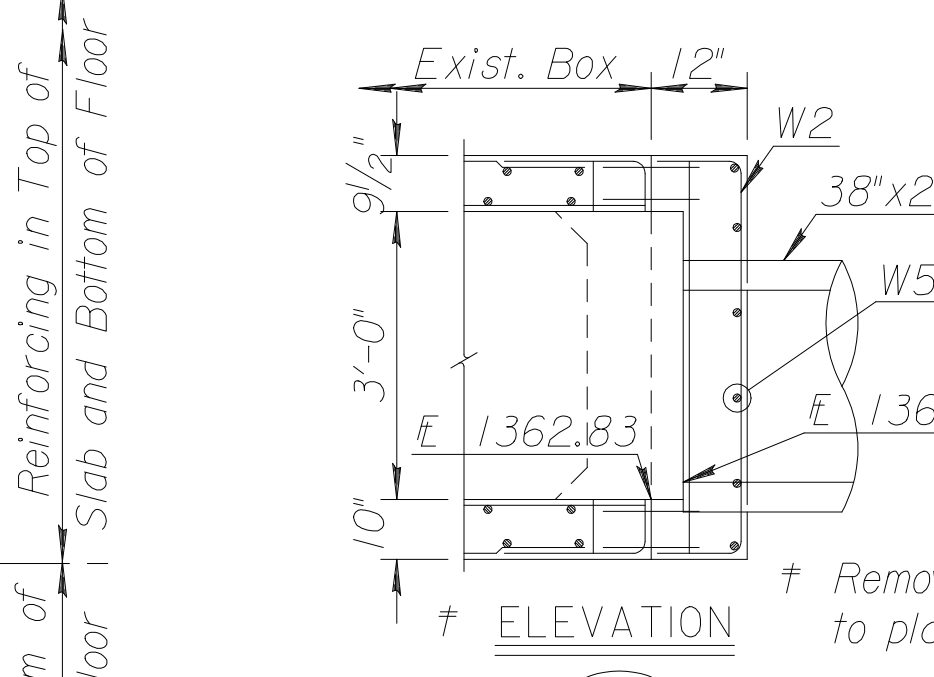
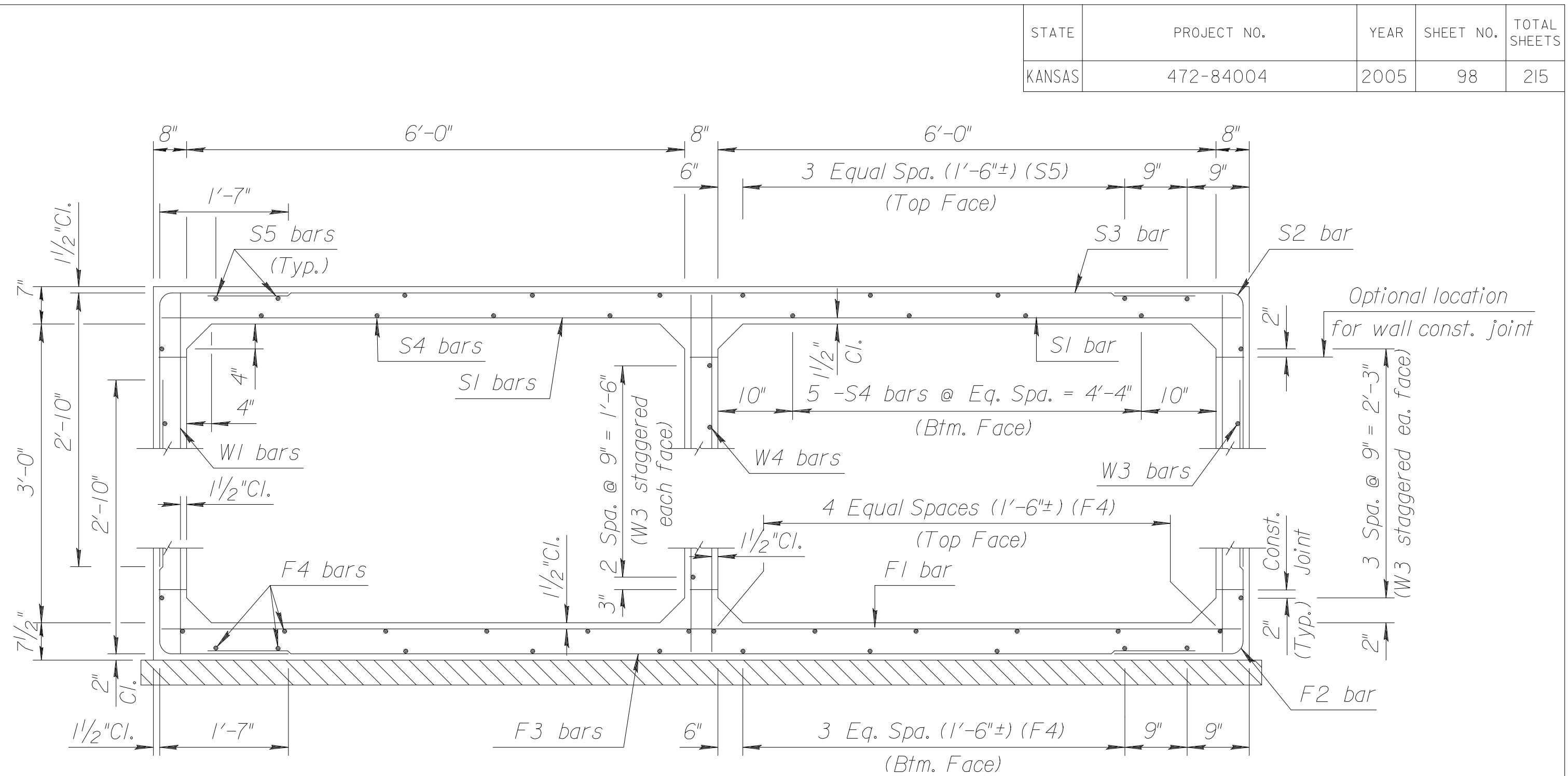


STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	472-84004	2005	98	215



Flow Line Elev.	Crown Gr. Elev.	Design Fill Ht.	Skew	Wings	Scour Apron	Soil Saver	Concrete			Reinf. Steel (Gr. 60)		
							Barrel (Cu.Yds.)	Wings (Cu.Yds.)	Total (Cu.Yds.)	Barrel (Lbs.)	Wings (Lbs.)	Total (Lbs.)
Ext.Lt. 1362.48	1367.64	3	0	FLARED	NO	NO	6.40	3.88	10.28	953.71	319.19	1272.9
Ext.Rt. 1362.50				NONE			0.00	0.00	0.00	0	0	0

F1			F2 *			F3			F4			S1			S2 *			S3			S4			S5						
Size	Spa.	No.	Length	Size	Spa.	No.	Length	Size	Spa.	No.	Length	Size	Spa.	No.	Length	Size	Spa.	No.	Length	Size	Spa.	No.	Length	Size	Spa.	No.	Length			
Ext.Lt.	4	7"	10	13'-8"	5	12"	12	4'-5"	4	6"	9	13'-8"	4	7"	12	13'-8"	5	12"	14	4'-5"	4	6"	12	13'-8"	4	10	5'-8"	4	10	5'-8"
Ext.Rt.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A



See Standard No. RD 080 for additional details.  
Note: Use only cast-in-place construction at this location.

**GENERAL NOTES**

**LOADING:** HS20-44 AASHTO Specifications, 1983 Edition.

**UNIT STRESSES:** Grade 4.0 Concrete;  $f'_c = 4,000$  p.s.i.  
Reinforcing Steel;  $f_y = 60,000$  p.s.i.

**FILL HEIGHT:** Unless otherwise noted, the Design Fill Height is measured from the riding surface at the culvert and shall include the surfacing.

**CONCRETE:** Grade 4.0 Concrete shall be used throughout. Bevel all exposed edges with a  $\frac{3}{4}$  inch triangular moulding. Where Grade 4.0 Concrete (AE) is specified, it shall be placed in the top slab above the Construction Joint.

**REINFORCING:** All reinforcing shall conform to ASTM A615, Grade 60. All dimensions relative to reinforcing steel shall be to centerline of bar unless otherwise noted.

**EXCAVATION:** Excavation for culverts less than bridge length shall not be paid for directly but shall be subsidiary to Grade 4.0 Concrete. Excavation for RCB Bridges shall be paid for as Class III Excavation.

**SEAL COURSE:** A Seal Course shall be constructed below the R.C.B. as shown in the Plans. The Seal Course shall consist of a 6" of crushed rock conforming to ASTM C-33, Gradation No. 67, and shall meet the requirements for Portland Cement Concrete Pavement Coarse Aggregate, Section 406.2, City of Wichita Standard Specifications, Wichita Standard Specifications. No reinforcing shall be placed until the Seal Course has gained sufficient strength to permit working upon it without injury.

**QUANTITIES:** The quantities shown in the Culvert Summary include apron and/or soil saver quantities when their construction is required by the plans. Payment for additional quantities that result from including seal course and/or floating apron, as a change in original plans, shall be made at the Unit Price bid for the various items involved.

**STRIKE LINE:** Wingwalls and that portion of the RCB outside the Strike Line shall be constructed level. Footing for wingwalls shall be constructed with the culvert floor. See wingwall detail sheet.

**PAYMENT:** Concrete and reinforcing for storm sewer paid for as part of the extension per unit quantity. Concrete removal, excavation and all other incidentals necessary shall be subsidiary to the extension quantities.

#4	1'-4"
#5	1'-8"
#6	2'-0"

Concrete (Grade 4.0)	0.0 C.Y.
Concrete (Grade 4.0(AE))	10.3 C.Y.
Reinforcing Steel (Gr. 60)	0 Lbs.
Reinforcing Steel (Epoxy Coated)	1275 Lbs.
Class III Excavation	— C.Y.
Seal Course (Granular Base)	1.5 C.Y.
Bridge Handrail (Steel) (Pedestrian)	30.5 L.F.

NO.	DATE	REVISIONS	BY	APP'D
<b>KANSAS DEPARTMENT OF TRANSPORTATION</b> Str. No. (559) Sta. 122+89.59 DOUBLE 6 ft x 3 ft RFB 6.0 ft EXT. LT.				
BR 2-6-3-E		Sedgwick Co.		
DESIGNED	6-5-91	APP'D	KENNETH F. HURST	
DESIGN CK.	DETAIL CK.	QUANTITIES	TRACED	TRACE CK.

Plotted By: drp  
 File: i:\2004\04219\FINAL\04219-000\_C-Double6x3RCBExtEKIV71.dgn  
 Plot Date: 9-27-2005